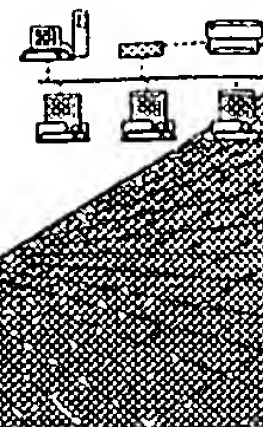


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/891,983
Source: OIPK
Date Processed by STIC: 2/5/2002

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
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<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/efb/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING

DATE: 02/05/2002

PATENT APPLICATION: US/09/891,983

TIME: 17:04:22

Input Set : A:\6821usol.txt

Output Set: N:\CRF3\02052002\I891983.raw

**Does Not Comply
Corrected Diskette Needed**

P4

4 <110> APPLICANT: Abbott Laboratories
 5 Shah, Dinesh O.
 6 Dawson, George A.
 7 Muerhoff, A. Scott
 8 Jiang, Lily
 9 Gutierrez, Robin A.
 10 Leary, Thomas P.
 11 Desai, Suresh
 12 Stewart, James L.
 14 <120> TITLE OF INVENTION: Methods For The simultaneous Detection
 15 Of HCV Antigens And HCV Antibodies
 18 <130> FILE REFERENCE: 6821.US.01
 20 <140> CURRENT APPLICATION NUMBER: 09/891,983
 21 <141> CURRENT FILING DATE: 2001-06-26
 23 <160> NUMBER OF SEQ ID NOS: 36
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 40
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Primer
 35 <400> SEQUENCE: 1
 36 atagaattcc atgcagaaaa aaaacaaacg taacaccaac 40
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 46
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Artificial Sequence
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: Primer
 46 <400> SEQUENCE: 2
 47 cggctgagaa cggtcagagg ttttaacgat ctgaccacca cccggg 46
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 24
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial Sequence
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: Primer
 57 <400> SEQUENCE: 3
 58 aaaacctctg aacgttctca gccg 24
 60 <210> SEQ ID NO: 4
 61 <211> LENGTH: 36
 62 <212> TYPE: DNA

RAW SEQUENCE LISTING

DATE: 02/05/2002

PATENT APPLICATION: US/09/891,983

TIME: 17:04:22

Input Set : A:\6821usol.txt

Output Set: N:\CRF3\02052002\I891983.raw

63 <213> ORGANISM: Artificial Sequence

65 <220> FEATURE:

66 <223> OTHER INFORMATION: Primer

68 <400> SEQUENCE: 4

69 tatggatcct tattacggag acagcagcca accagc

36

71 <210> SEQ ID NO: 5

72 <211> LENGTH: 244

73 <212> TYPE: DNA

74 <213> ORGANISM: Hepatitis C Virus

76 <400> SEQUENCE: 5

77 gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt

60

78 cccgggtggt ggtcagatcg ttaaaacctc tgaacgttct cagccgcgtg ggcgtcgtca

120

79 gccgatcccg aaagctcgtc gtccggaagg tcgtacctgg gctcagccgg gttaccctg

180

80 gccgctgtac ggtaacgaag gttgcggttg ggcagggttg ctgctgtctc cgtaataagg

240

81 atcc

244

83 <210> SEQ ID NO: 6

84 <211> LENGTH: 75

85 <212> TYPE: PRT

86 <213> ORGANISM: Hepatitis C Virus

88 <400> SEQUENCE: 6

89 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val

90 1 5 10 15

91 Lys Phe Pro Gly Gly Gly Gln Ile Val Lys Thr Ser Glu Arg Ser Gln

92 20 25 30

93 Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly

94 35 40 45

95 Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu

96 50 55 60

97 Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro

98 65 70 75

100 <210> SEQ ID NO: 7

101 <211> LENGTH: 280

102 <212> TYPE: DNA

103 <213> ORGANISM: Hepatitis C Virus

105 <400> SEQUENCE: 7

106 gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt

60

107 cccgggtggt ggtcagatcg ttggtctgct gccgcgtcgt ggtccgcgtc tgggtcgtaa

120

108 aacctctgaa cgttctcagc cgcgtgggcg tcgtcagccg atcccgaag ctgctcgtcc

180

109 ggaaggctcg acctgggctc agccgggtta cccgtggccg ctgtacggta acgaagggtg

240

110 cggttgggct ggttggtcgc tgtctccgta ataaggatcc

280

112 <210> SEQ ID NO: 8

113 <211> LENGTH: 87

114 <212> TYPE: PRT

115 <213> ORGANISM: Hepatitis C Virus

117 <400> SEQUENCE: 8

118 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val

119 1 5 10 15

120 Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Leu Leu Pro Arg Arg Gly

121 20 25 30

RAW SEQUENCE LISTING

DATE: 02/05/2002

PATENT APPLICATION: US/09/891,983

TIME: 17:04:22

Input Set : A:\682lusol.txt

Output Set: N:\CRF3\02052002\I891983.raw

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122 Pro Arg Leu Gly Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg
123      35              40              45
124 Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala
125      50              55              60
126 Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp
127 65              70              75              80
128 Ala Gly Trp Leu Leu Ser Pro
129      85
131 <210> SEQ ID NO: 9
132 <211> LENGTH: 52
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Primer
139 <400> SEQUENCE: 9
140 acccagacgc ggaccacgac gcggcagcag accaacgatac tgaccaccac cc      52
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 48
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Primer
150 <400> SEQUENCE: 10
151 ccgcgcgcgtg gtccgcgtct gggtcgtaaa acctctgaac gttctcag      48
153 <210> SEQ ID NO: 11
154 <211> LENGTH: 301
155 <212> TYPE: DNA
156 <213> ORGANISM: Hepatitis C Virus
158 <400> SEQUENCE: 11
159 gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt      60
160 cccgggtggt ggtcagatcg ttggtggtgt ttacgttctg ccgcgcgcgtg gtccgcgtct      120
161 ggggtgttctg gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc      180
162 gatcccgaaa gctcgtcgtc cggaaggctg tacctgggct cagccggggt acccgtggcc      240
163 gctgtacggt aacgaagggt gcggttgggc tgggtggctg ctgtctccgt aataaggatc      300
164 c      301
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 94
168 <212> TYPE: PRT
169 <213> ORGANISM: Hepatitis C Virus
171 <400> SEQUENCE: 12
172 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
173 1      5      10      15
174 Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Val Leu Pro
175      20      25      30
176 Arg Arg Gly Pro Arg Leu Gly Val Leu Ala Thr Arg Lys Thr Ser Glu
177      35      40      45
178 Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
179      50      55      60
180 Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr

```

RAW SEQUENCE LISTING

DATE: 02/05/2002

PATENT APPLICATION: US/09/891,983

TIME: 17:04:22

Input Set : A:\6821usol.txt

Output Set: N:\CRF3\02052002\I891983.raw

```

181 65          70          75          80
182 Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
183          85          90
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 45
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Primer
193 <400> SEQUENCE: 13
194 acccagacgc ggaccacgac gcggcagaac gtaaacacca ccaac      45
196 <210> SEQ ID NO: 14
197 <211> LENGTH: 45
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Primer
204 <400> SEQUENCE: 14
205 ccgcgtcgtg gtcgcgtct ggggtgttctg gctacgcgta aaacc      45
207 <210> SEQ ID NO: 15
208 <211> LENGTH: 300
209 <212> TYPE: DNA
210 <213> ORGANISM: Hepatitis C Virus
212 <220> FEATURE:
213 <221> NAME/KEY: misc feature
214 <222> LOCATION: (99)...(99) (100)...(100)
215 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at
216 position 99/100
218 <400> SEQUENCE: 15
219 gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt      60
W--> 220 cccgggtggt ggtcagatcg ttggtggtgt ttacctgctn ccgcgtcgtg gtcgcgtct      120
221 gggtgttctg gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc      180
222 gatccgaaag ctcgtcgtcc ggaaggctgt acctgggctc agccggggtta cccgtggccg      240
223 ctgtacggtg acgaagggtg cggttgggct ggttggtctg tgtctccgta ataaggatcc      300
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 94
227 <212> TYPE: PRT
228 <213> ORGANISM: Hepatitis C Virus
230 <400> SEQUENCE: 16
231 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
232 1          5          10          15
233 Lys Phe Pro Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu Pro
234          20          25          30
235 Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Glu
236          35          40          45
237 Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
238          50          55          60
239 Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
240 65          70          75          80

```

RAW SEQUENCE LISTING

DATE: 02/05/2002

PATENT APPLICATION: US/09/891,983

TIME: 17:04:22

Input Set : A:\6821usol.txt

Output Set: N:\CRF3\02052002\I891983.raw

```

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242             85                      90
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 18
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Primer
252 <400> SEQUENCE: 17
253 gatcgctcga attcctcg                                     18
255 <210> SEQ ID NO: 18
256 <211> LENGTH: 20
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Primer
263 <400> SEQUENCE: 18
264 ttctagcgag cttaaggagc                                     20
266 <210> SEQ ID NO: 19
267 <211> LENGTH: 18
268 <212> TYPE: PRT
269 <213> ORGANISM: Hepatitis C Virus
271 <400> SEQUENCE: 19
272 Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
273 1             5                      10                      15
274 Arg Arg
277 <210> SEQ ID NO: 20
278 <211> LENGTH: 18
279 <212> TYPE: PRT
280 <213> ORGANISM: Hepatitis C Virus
282 <400> SEQUENCE: 20
283 Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly
284 1             5                      10                      15
285 Gly Gly
288 <210> SEQ ID NO: 21
289 <211> LENGTH: 18
290 <212> TYPE: PRT
291 <213> ORGANISM: Hepatitis C Virus
293 <400> SEQUENCE: 21
294 Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu
295 1             5                      10                      15
296 Leu Pro
299 <210> SEQ ID NO: 22
300 <211> LENGTH: 18
301 <212> TYPE: PRT
302 <213> ORGANISM: Hepatitis C Virus
304 <400> SEQUENCE: 22
305 Val Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val
306 1             5                      10                      15

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/891,983

DATE: 02/05/2002

TIME: 17:04:23

Input Set : A:\6821usol.txt

Output Set: N:\CRF3\02052002\I891983.raw

L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15